

Roll No



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SET-B**

**SCHOOL OF COMMERCE  
END TERM EXAMINATION – MAY/JUNE 2024**

**Semester :** Semester VI - 2021

**Course Code :** COM3095

**Course Name :** Financial Modelling

**Program :** B.Com. Honors

**Date :** June 05, 2024

**Time :** 9:30 AM - 12:30 PM

**Max Marks :** 100

**Weightage :** 50%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

**PART - A**

**ANSWER ANY 5 QUESTIONS**

**5Q X 2M = 10M**

1. Data Sorting method is different in MS excel, Python, R etc. List the process to use data Sorting in excel sheet.  
(CO1) [Knowledge]
2. Accounting standard 3 tells the format of cash flow statement. Define Cash Flow statement.  
(CO2) [Knowledge]
3. Define Financial Statement Analysis.  
(CO3) [Knowledge]
4. Identify the users of Financial Statement Analysis.  
(CO3) [Knowledge]
5. Define Debtors Turnover ratio.  
(CO3) [Knowledge]
6. Define Operating Leverage.  
(CO4) [Knowledge]
7. Define the steps to calculate EPS from Sales.  
(CO5) [Knowledge]

**PART - B**

**ANSWER ANY 5 QUESTIONS**

**5Q X 10M = 50M**

8. Compute the future value of annuity at the end of 5 years of the following series of deposits at 9% rate of interest. Rs.1000 at the end of first year, Rs.2000 at the end of second year, Rs.3000 at the end of third year, Rs.4000 at the end of fourth year and Rs.5000 at the end of fifth year.  
(CO4) [Comprehension]
9. Mr.Y deposits Rs.3000 at the end of every year for five years in his savings account paying 6% interest compounded annually .He wants to compute how much money he will have at the end of 5 years under FVA .  
(CO4) [Comprehension]
10. Explain different ratios for Profitability position of an organization.  
(CO3) [Comprehension]
11. .A industry is considering investment in a project which costs Rs.6,00,000 .The cash flows are Rs.1,20,000 , Rs.1,40,000 ,Rs.1,80,000 ,2,00,000 & Rs,2,50,000 .Compute PBP.  
(CO4) [Comprehension]
12. Prepare Balance Sheet from the following information of ABC Ltd. for 2022-23.
- |                          |          |
|--------------------------|----------|
| Cash                     | 21,000   |
| Property & land          | 66,000   |
| Inventory                | 22,000   |
| Interest payable         | 35,000   |
| Accrued wages            | 26,000   |
| Renovations/improvements | 34,000   |
| Loans                    | 30,000   |
| Vehicles                 | 23,000   |
| Equipment/tools          | 12,000   |
| Credit cards payable     | 1,00,000 |
| Accounts payable         | 22,000   |
| Furniture & fitout       | 39,800   |
| Bank                     | 32,000   |
| Preference Share Capital | 30,000   |
| Debtors                  | 34,000   |
| Equity Share capital     | 40,800   |
- (CO2) [Comprehension]
13. Explain the meaning of Cash from Investing Activities.  
(CO2) [Comprehension]
14. Compute the future value of Annuity at the end of 4 years of the following series of payments at 9% rate of interest. Rs.1000 at the end of first year, Rs.2000 at the end of second year, Rs.3000 at the end of third year and Rs.4000 at the end of fourth year.  
(CO4) [Comprehension]

**PART - C**

**ANSWER ANY 2 QUESTIONS**

**2Q X 20M = 40M**

15. Calculate the Future value of Rs.4000 which is invested for 4 years and the interest on it is compounded at 12% p.a ,compounded for half yearly and quarterly .  
(CO4) [Application]

16. Calculate the following ratios of XYZ Ltd.

- (a) Proprietary Ratio
- (b) Stock Working Capital Ratio
- (c) Capital Gearing Ratio
- (d) Current Ratio
- (e) Liquid Ratio

<b>Liabilities</b>	<b>Rs.</b>	<b>Assets</b>	<b>Rs.</b>
Equity Share Capital	2,00,000	Goodwill	70,000
8% Preference Share Capital	2,00,000	Land and Buildings	4,40,000
16% Debentures	80,000	Plant and Machinery	2,00,000
15% Bank Loan	40,000	Furniture	60,000
Reserves	3,00,000	Investments	40,000
Creditors	1,20,000	Debtors	1,40,000
Bank Overdraft	80,000	Prepaid Insurance	20,000
Outstanding Rent	14,000	Stock	60,000
Provision for tax	40,000	Cash in Hand	14,000
Proposed Dividend	20,000	Cash at Bank	70,000
Profit and Loss A/c	40,000	Preliminary Expenses	20,000
	<b>11,34,000</b>		<b>11,34,000</b>

(CO3) [Application]

17. A Company is requiring a machine which requires an investment of Rs.1,60,000 .The net income before tax and depreciation is estimated as follows.

Year	Cash Inflows
1	56,000
2	48,000
3	30,000
4	64,000
5	80,000

Depreciation to be charged on Straight Line Method. Tax Rate is 40%. Calculate ARR.

(CO4) [Application]